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SUBSTORM PSEUDOBREAKUPS ASSOCIATED WITH INTERPLANETARY SHOCKS/PRESSURE PULSES: WIND AND POLAR

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Ten interplanetary WIND shock/ pressure pulse events are used to study the magnetospheric delay of pseudobreakup (PB) or substorm onsets. We identify the PBs and substorms by using the **POLAR UV imaging data.** The states of the interplanetary medium and the conditions of the ionosphere before and after the **auroral brightening** onsets are studied. We find that the magnetospheric delay time strongly constrains the location of the nightside X-line during such events. We also find for PB (or no activity) events, that the interplanetary and ionosphere preconditions are unusually low.

Submittal Information

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